United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Friday, April 06, 2007
From: Kevin Turner, OSC

To:
Kevin Turner, Superfund - Emergency Response Branch
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Tom Miller, Illinois EPA
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Subject: Final POLREP
Minton Enterprises
5 West Monroe Street, Highland, IL
Latitude: 38.738997
Longitude: -89.691919

POLREP No.:	3	**Site #:**	B5DL
Reporting Period:		**D.O. #:**	
Start Date:	10/23/2006	**Response Authority:**	CERCLA
Mob Date:	10/23/2006	**Response Type:**	Time-Critical
Completion Date:		**NPL Status:**	Non NPL
CERCLIS ID #:		**Incident Category:**	Removal Action
RCRIS ID #:		**Contract #**	

Site Description

The two acre Site is located at 5 West Monroe Street, Highland, Madison County, Illinois is located at the west side of Highland and is situated in a primarily commercial and industrial area. However, there are a few residences in close proximity. The property is comprised of two buildings. This includes a main plating building and an outside storage warehouse.

On April 6, 2006, U.S. EPA, OSC Kevin Turner and Superfund Technical Assessment and Response Team (START) members arrived at the site to conduct the site assessment activities. Other personnel present on the Site included three representatives from Illinois EPA, Mike Grant, Jerry Willman and Tom Miller. The site assessment activities consisted of performing site reconnaissance; mapping of key site features and locations of site structures; collection of samples from drums, vats, and containers stored inside and outside of ME site buildings. OSC Turner and START observed a large quantity and variety of 55-gallon drums

of plating wastes and assorted sized containers of miscellaneous hazardous materials in various areas throughout the site. The ME site consists of two buildings: the main plating building and an outside waste storage area building.

The main plating building appeared to be in fair condition and consisted of two offices, a small kitchen area and the main plating operations area. The items with descriptive labels found in the kitchen area were inventoried and included silver nitrate, hydrochloric acid, sodium hydroxide, potassium permanganate, ammonium hydroxide, and bleach. Adjacent to the kitchen area and the offices in the main plating building is the facility's water treatment process. The water treatment process consists of two 200-gallon vats, which were labeled Vat 1 and Vat 2 and are full of filtered solids. The items inventoried in this area included sodium hydroxide, galvanic brightener, filter solids and several paint buckets.

The middle of the main plating building, where the plating operations took place, contained three plating lines marked Line 2, Line 3, and Line 4. Lines 2 and 4 contained plating baths and remnant cleanings acid, water rinse and plating line residuals. Residue from past plating operations was observed on the floors and walls near the baths. Items inventoried in this area included Oxalic 295, sodium hydroxide, sodium hydrosulfite, ammonium, unknown liquids, and hydrogen peroxide.

The outside waste storage area building is separated into three bays with no doors and open to the environment on the east side. The bays contain approximately 150 drums that were stacked, which made it impossible to completely inventory them at the time. The drums that could be inventoried included phosphoric acid, nitric acid, chromic acid and sodium hydrosulfite. OSC Turner instructed START to move any drum that was outside of the storage area into the storage area building to minimize further deterioration by the elements. START was also instructed to erect a chain link fence as high as two drums stacked on one another on the east side of the building for temporary security.

Current Activities

Once the liquids were pumped from vats located in the main building, the solid materials that remained in them were bulked into 55-gallon drums. The vats were staged on visqueen and scraped out using miscellaneous tools. Any sludge or residual liquid was solidified using Oil Dri and placed in appropriate cubic yard box or 55-gallon drum.

The 55-gallon drums that contained small amounts of material and that were compatible were bulked together to eliminate that amount of drums staged on Site. The empty drums were staged on visqueen and scraped out using miscellaneous tools. Any sludge or residual liquid was solidified using Oil Dri and placed in appropriate cubic yard box or 55-gallon drum.

On December 14, 2006 START obtained five grab soil samples. Sample OS01 was taken from the north side of the outside storage area. OS02and OS03 was to the east of the outside storage area. MB01 was taken from inside the main building from under the concrete floor. DDS01 was taken from mud collected from the dock. The soil samples were released to Microbac Laboratory courier on December 15, to be delivered for disposal analysis at their

lab located in Merrilville, Indiana. Based upon the soil sample results the U.S. EPA Removal Branch determined to take no further action. The Illinois EPA will determine if further action is necessary with the soil samples as per OSC Turner.

On January 10, 2007 transportation of drums containing hazardous plating waste, drum thieve s (contaminated glass), fluorescent bulbs and bulked latex paint were taken to off site disposal facilities.

On January 11, 2007 the third and fourth truck loads of drums and cubic yard boxes containing hazardous plating waste, bulked flammable paint, transformer containing PCB and PCB light ballast were taken to off site disposal facilities.

On January 12, 2007 on site activities were ceased. The building was secured by ERRS. Keys to the building were given to IEPA, so that the IEPA can perform subsurface soil and groundwater sampling inside Minton Enterprise building.

On April 11, 2007 a final site walk through was conducted for building closure.

Planned Removal Actions
None

Next Steps
None

Key Issues
None

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	$354,172.00	$272,000.00	$82,172.00	23.20%
RST/START	$26,350.00	$26,000.00	$350.00	1.33%
Intramural Costs				
USEPA - Direct (Region, HQ)	$76,104.00	$22,955.00	$53,149.00	69.84%
Total Site Costs	$456,626.00	$320,955.00	$135,671.00	29.71%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on

may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Hazardous Waste Solid, N.O.S. 9, NA3077, PGII	55 gallons	001889366JJK	Environmental Quality, Detroit, Michigan Plant
Non Hazardous	650 gallons	121306	American Environmental Services, Inc. 1689 Shar-Cal Rd., Calvert City, KY 42029
Waste Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium Hydroxide. Chromium), UN3266, PGII	3,100 gallons	00294750JJK	American Environmental Services, Inc. 1689 Shar-Cal Rd., Calvert City, KY 42029
OR, Hazardous Waste, Liquid, N.O.S. (Chromium, Cadmium), 9, NA3082, PGIII	660 gallons	001889496 JJK	Environmental Quality, Belleville, Michigan Plant
OR, Polychlorinated Biphenyls, Liquid, 9, UN3432	55 Kilograms	001892847 JJK	Environmental Quality, Belleville, Michigan Plant
OR, Waste Sodium Hydrosulfite, 4.2, UN1384, PGII	220 gallons	001889500 JJK	Environmental Quality, Detroit, Michigan Plant
OR, Polychlorinated Biphenyls, Liquid, 9, UN2315	23 Kilograms	001889347 JJK	Environmental Recycling, Bowling Green, Ohio
OR, Hazardous Waste, Solid, N.O.S. (chromium), 9, NA3077, PGIII	55 gallons	001892905 JJK	Environmental Quality, Belleville, Michigan Plant
OR, Hazardous Waste, Solid, N.O.S. (chromium, Barium), 9,	6 cubic Yards	001892905 JJK	Environmental Quality, Belleville, Michigan

NA3077, PGIII			Plant
OR, Hazardous Waste, Solid, N.O.S. (chromium, Nickel), 9, NA3077, PGIII	10 cubic yards	001892905 JJK	Environmental Quality, Belleville, Michigan Plant
Waste Paint Related Materials, 3, UN1263, PGII	85 gallons	001889361 JJK	Environmental Quality, Detroit, Michigan Plant
Waste Hydrogen Peroxide, Aqueous Solution, 5.1, (8), UN2014, PGII	16 gallons	001889361 JJK	Environmental Quality, Detroit, Michigan Plant
Waste Potassium Permanganate, 5.1, UN1490, PGII	5 gallons	001889361 JJK	Environmental Quality, Detroit, Michigan Plant
OR Waste Corrosive Liquids, Acidic, Inorganic, N.O.S.(Chromium, Arsenic) 8, UN3264, PGII	165 gallons	001889361 JJK	Environmental Quality, Detroit, Michigan Plant
Waste Aerosols. Flammable, 2.1,UN1950	55 gallons 001889365 JJK	001889365 JJK	Environmental Quality, Detroit, Michigan Plant
OR Waste Corrosive Liquids, Acidic, Inorganic, N.O.S.(HCl, Sulfuric Acids) 8, UN3264, PGII	2,066 gallons	001889365 JJK	Environmental Quality, Detroit, Michigan Plant
OR Waste Corrosive Liquids, Acidic, Inorganic, N.O.S.(Chromium, Lead) 8, UN3264, PGII	965 gallons	001889365 JJK	Environmental Quality, Detroit, Michigan Plant
OR Environmentally Hazardous Substance, Solid, N.O.S. (Mercury), 9, NA3077	55 gallons	001892845 JJK	Environmental Quality, Belleville, Michigan Plant
OR. Waste Corrosive Liquid, Basic Organic, N.O.S. (Chromium, Lead), 8, UN3266, PGII	990 gallons	001892845 JJK	Environmental Quality, Belleville, Michigan Plant

Non-RCRA, Non-DOT Sludge	55 gallons	001892845 JJK	Environmental Quality, Belleville, Michigan Plant
OR, Hazardous Waste, Liquid, N.O.S. (Chromium), 9, NA3082, PGIII	2,870 gallons	001889364 JJK	Environmental Quality, Belleville, Michigan Plant
Waste Corrosive Liquid, Basic Inorganic, N.O.S. (Chromium, Nickel), 8. UN3266, PGII	3,325 gallons	001889362 JJK	Environmental Quality, Belleville, Michigan Plant
Non-RCRA, Non-DOT	85 gallons	001889362 JJK	Environmental Quality, Belleville, Michigan Plant
Corrosive Solid Basic, Inorganic, N.O.S. (Sodium Hydroxide, Potassium Hydroxide), 8, UN3282, PGII	225 gallons	001889366JJK	Environmental Quality, Detroit, Michigan Plant
OR Waste Corrosive Liquids, Acidic, Inorganic, N.O.S.(Chromium, Arsenic) 8, UN3264, PGII	1,160 gallons	001889366 JJK	Environmental Quality, Detroit, Michigan Plant

epaosc.net/MintonEnterprises